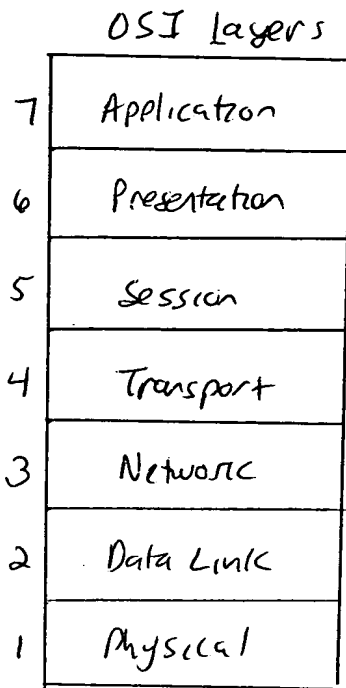
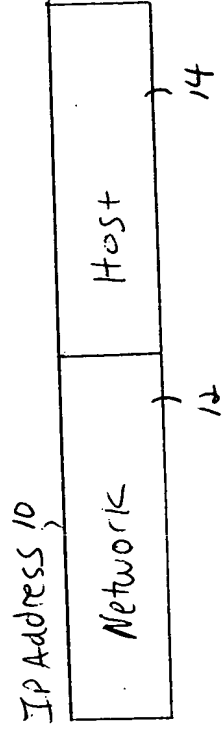


00237128:012599



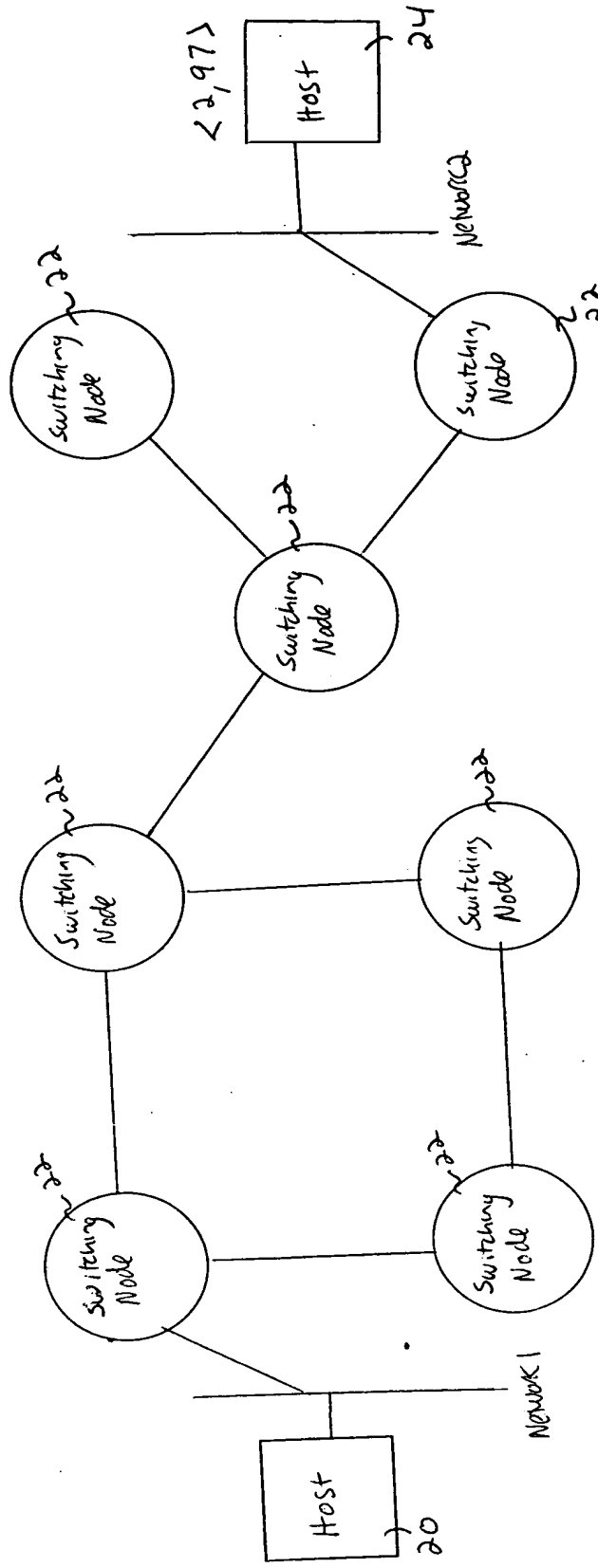
PRIOR ART

Figure 1



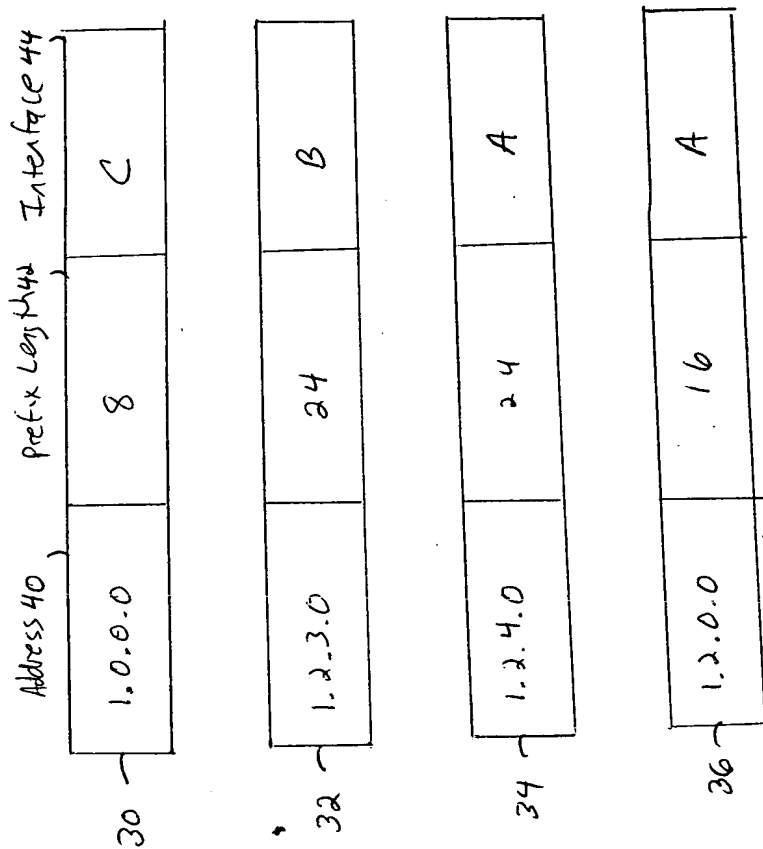
PRIOR ART

Figure 2



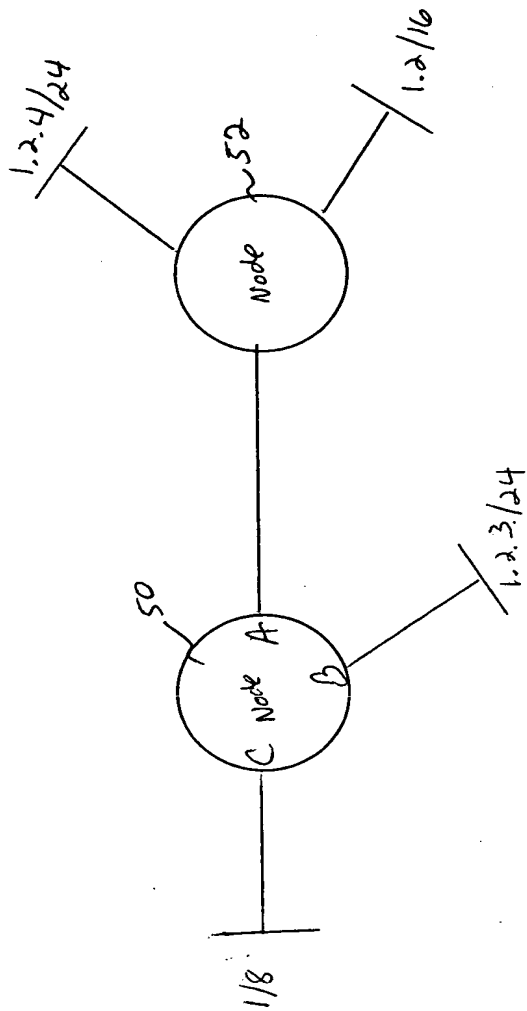
PRIOR ART

Figure 3



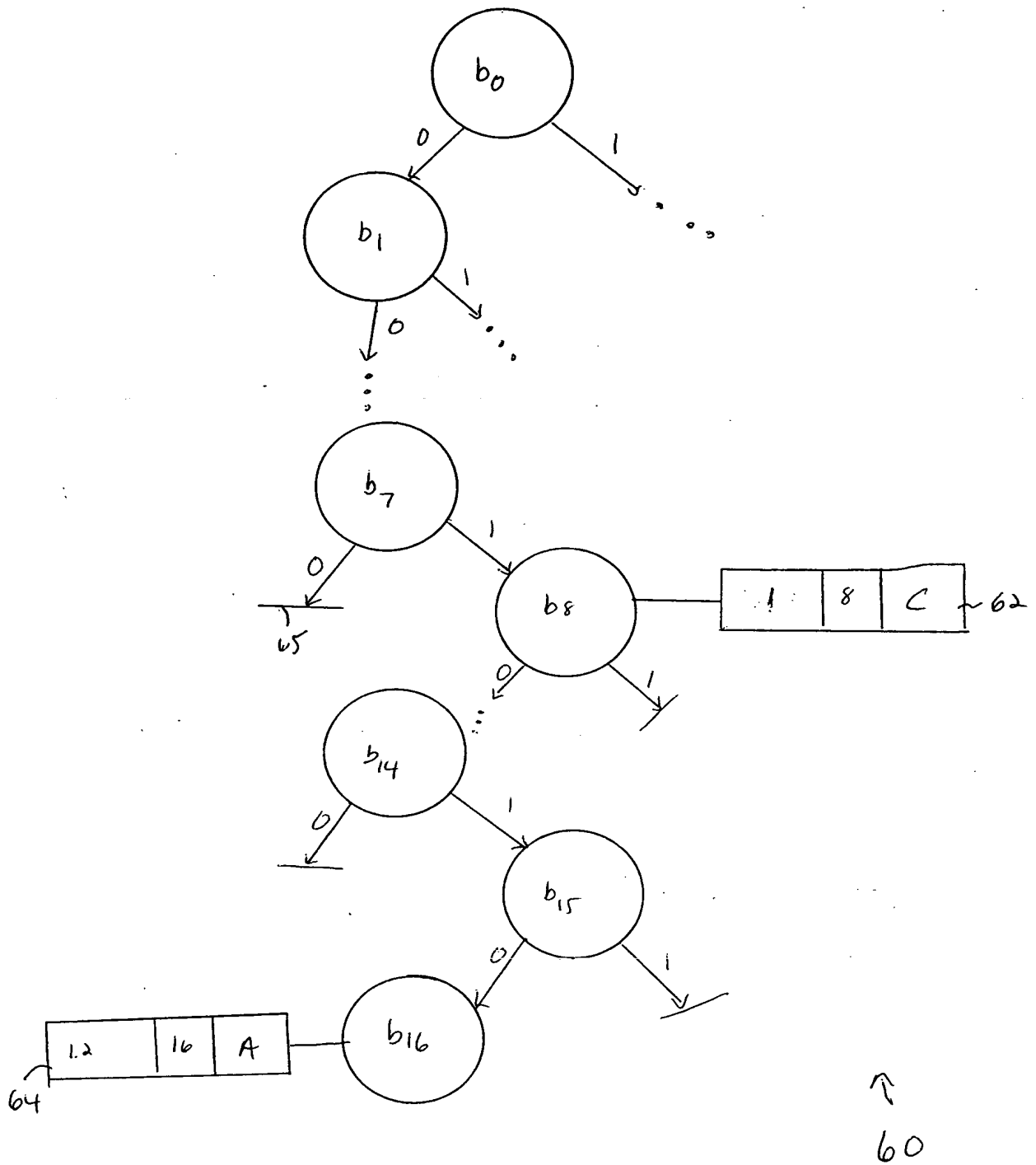
PRIOR ART

Figure 4A



PRIOR ART

Figure 4B



Prior Art
Figure 5

665210-82F2E60

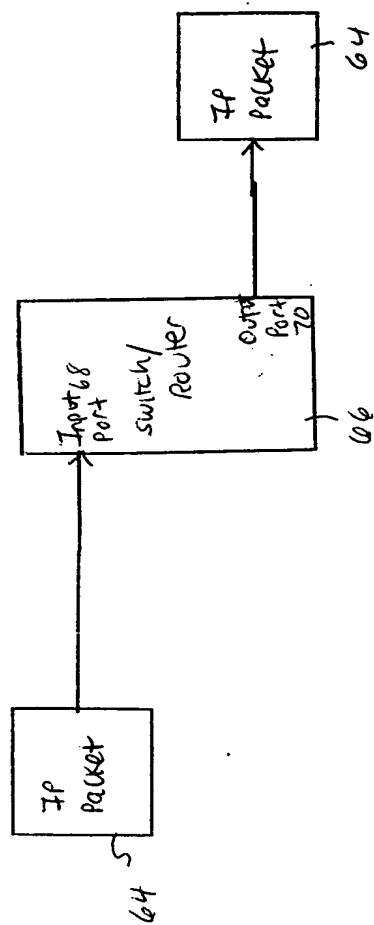


Figure 6

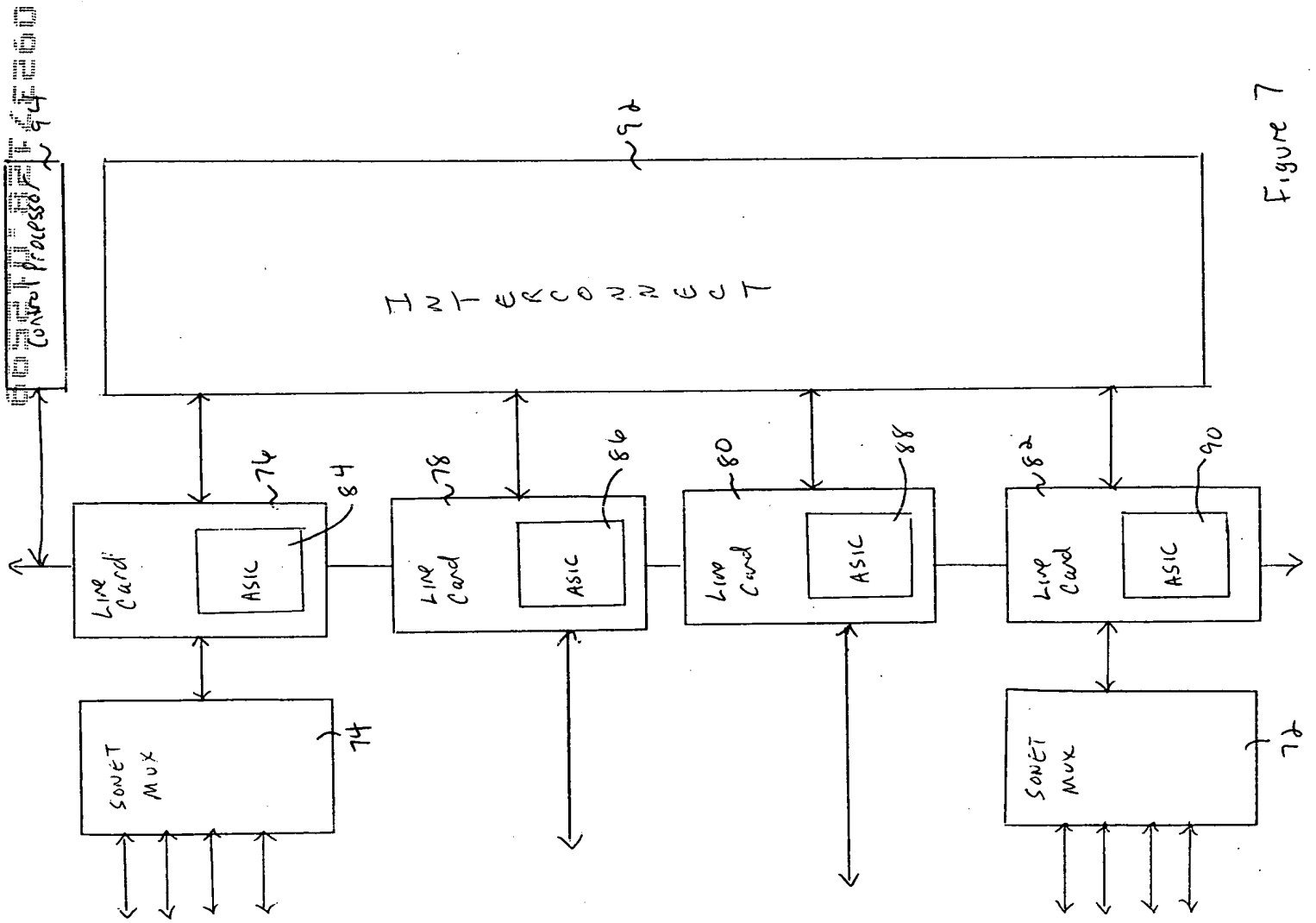


Figure 7

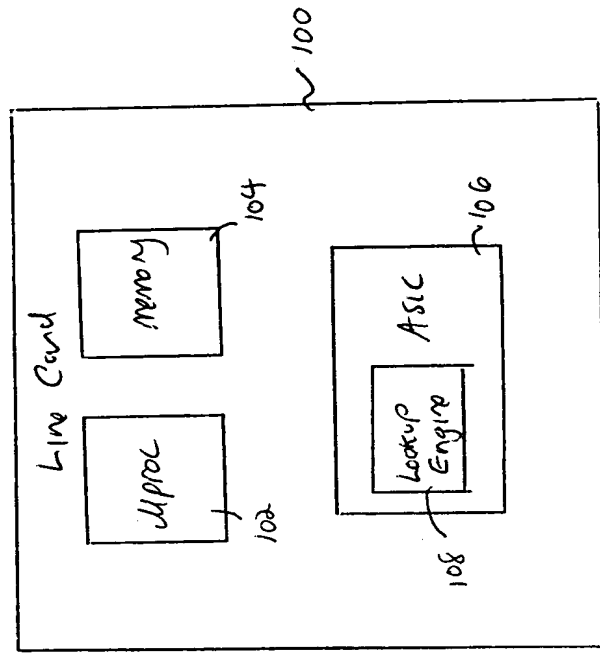


Figure 8

0023429-012500

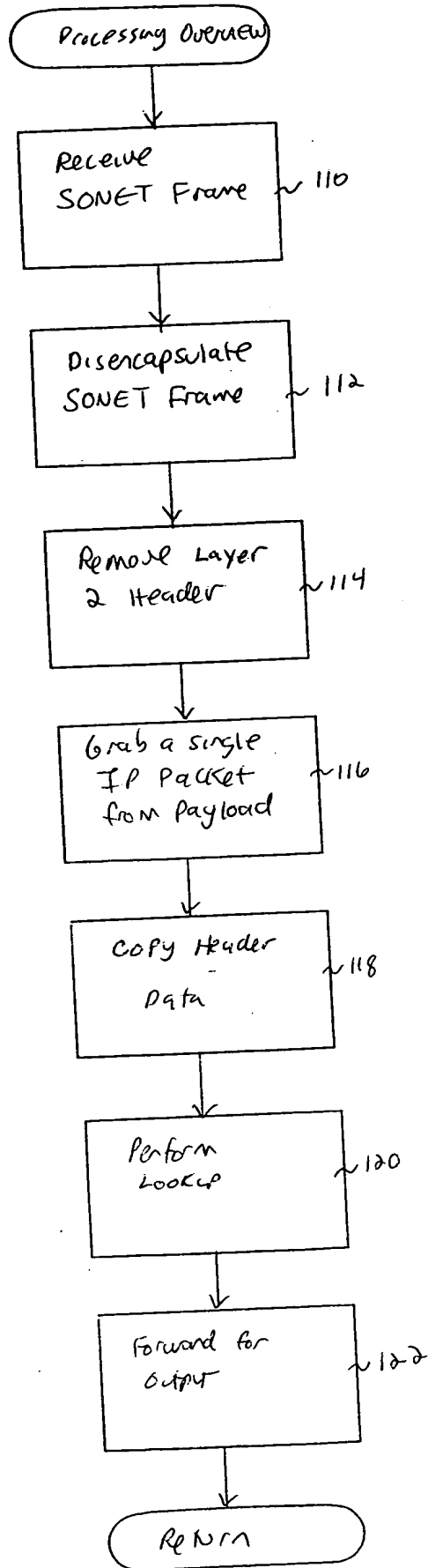
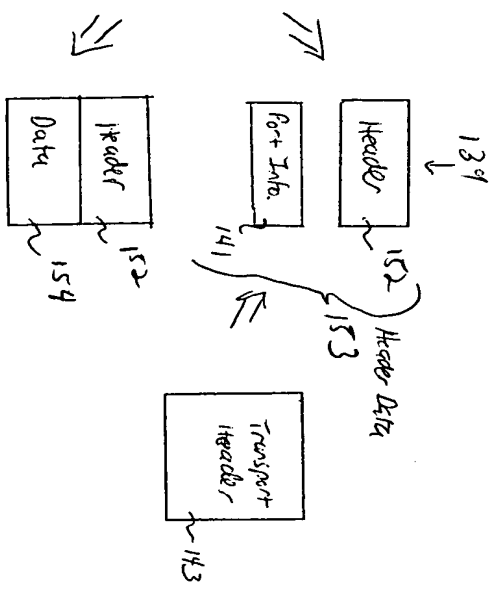
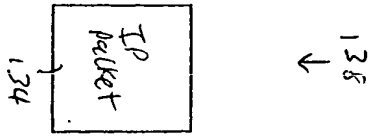
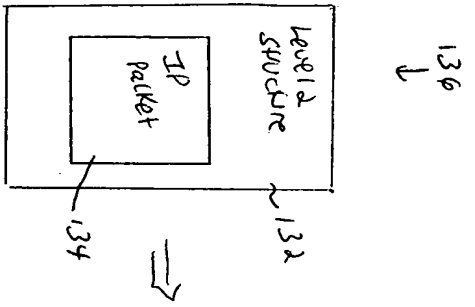
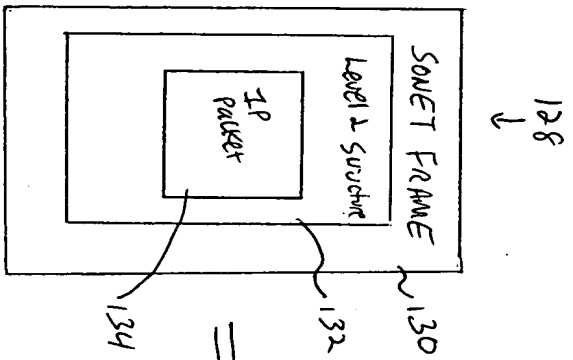
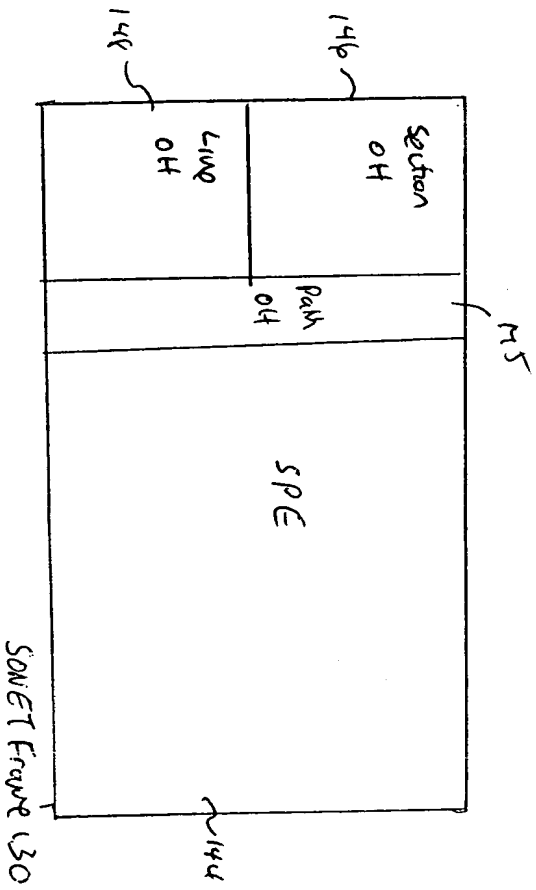


Figure 9





09227428 : 042599

Figure 11



Figure 1: A schematic diagram of a 1D lattice chain with N sites. The chain is represented by a horizontal line with N sites labeled $1, 2, \dots, N$. The sites are connected by horizontal bonds. The chain is divided into two halves by a vertical dashed line. The left half is labeled 'Left' and the right half is labeled 'Right'. The sites are numbered $1, 2, \dots, N$ from left to right. The chain is shown in a perspective view, with the sites and bonds appearing to recede into the distance. The chain is labeled '1D Lattice Chain' at the bottom.

00000000 00000000 00000000 00000000

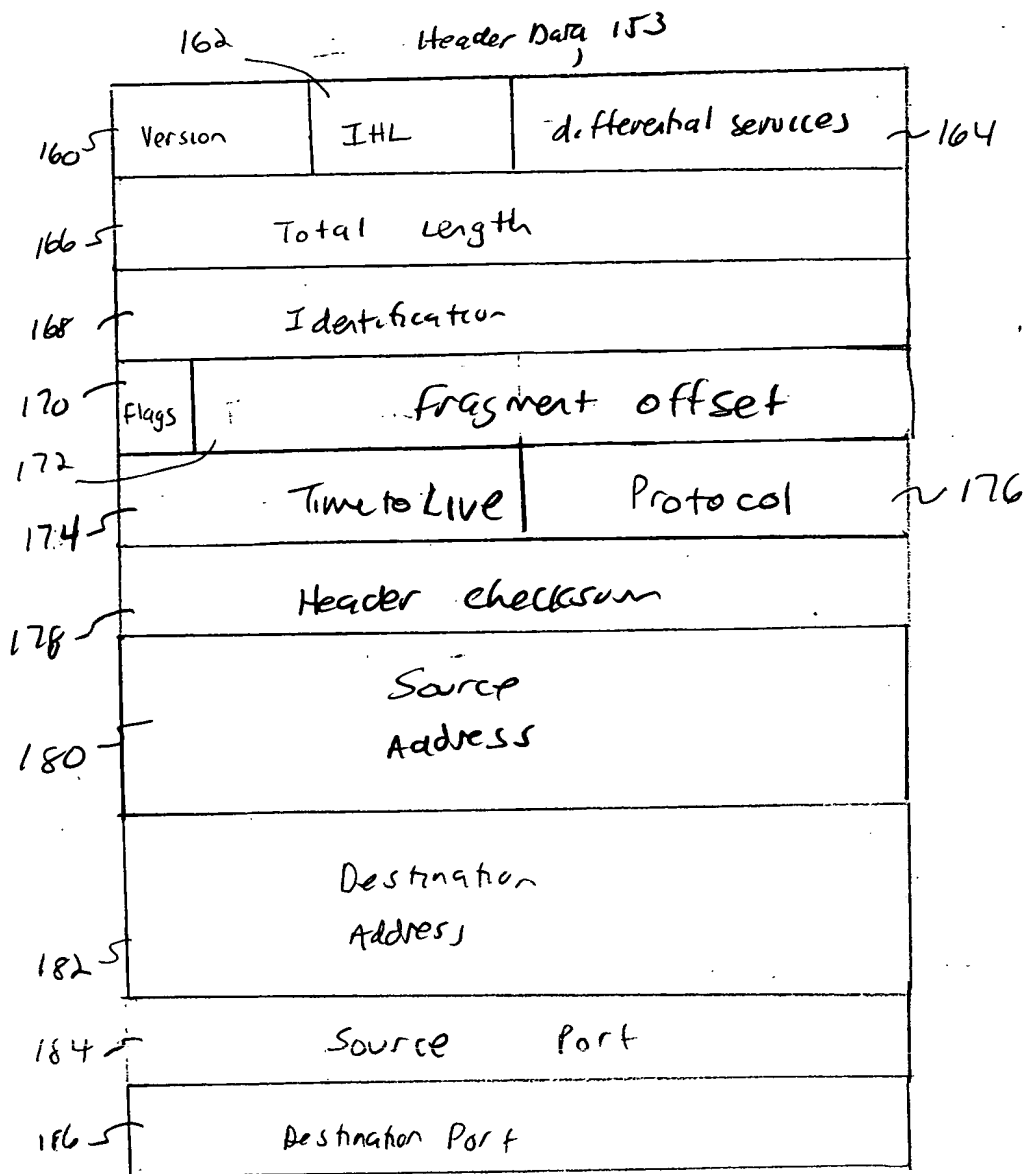
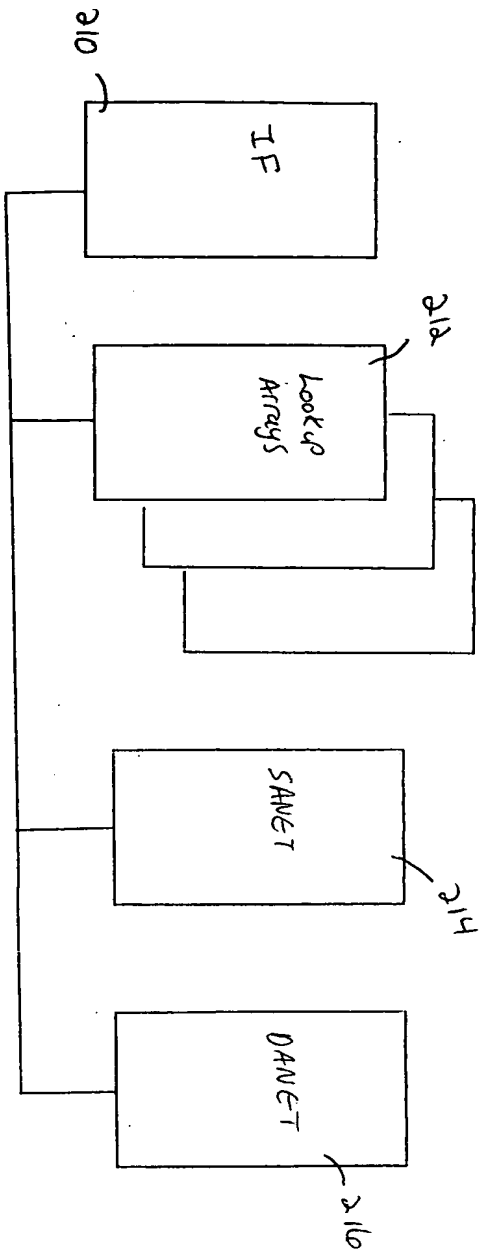


Figure 13



0022 Figure 14 012599

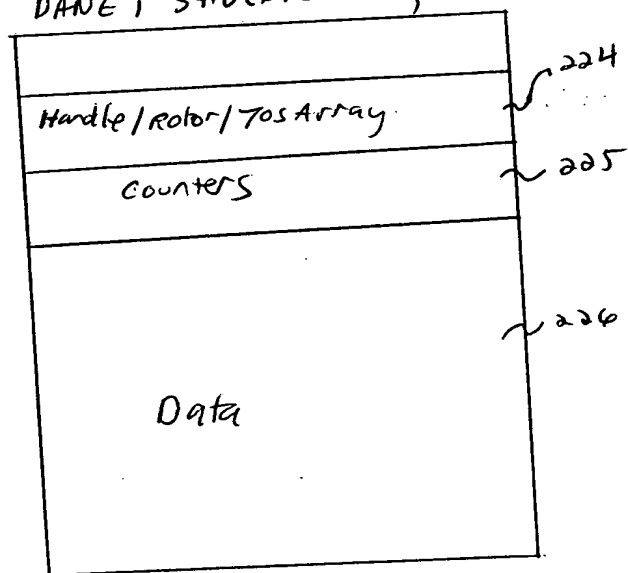
[illegible]

Figure 16

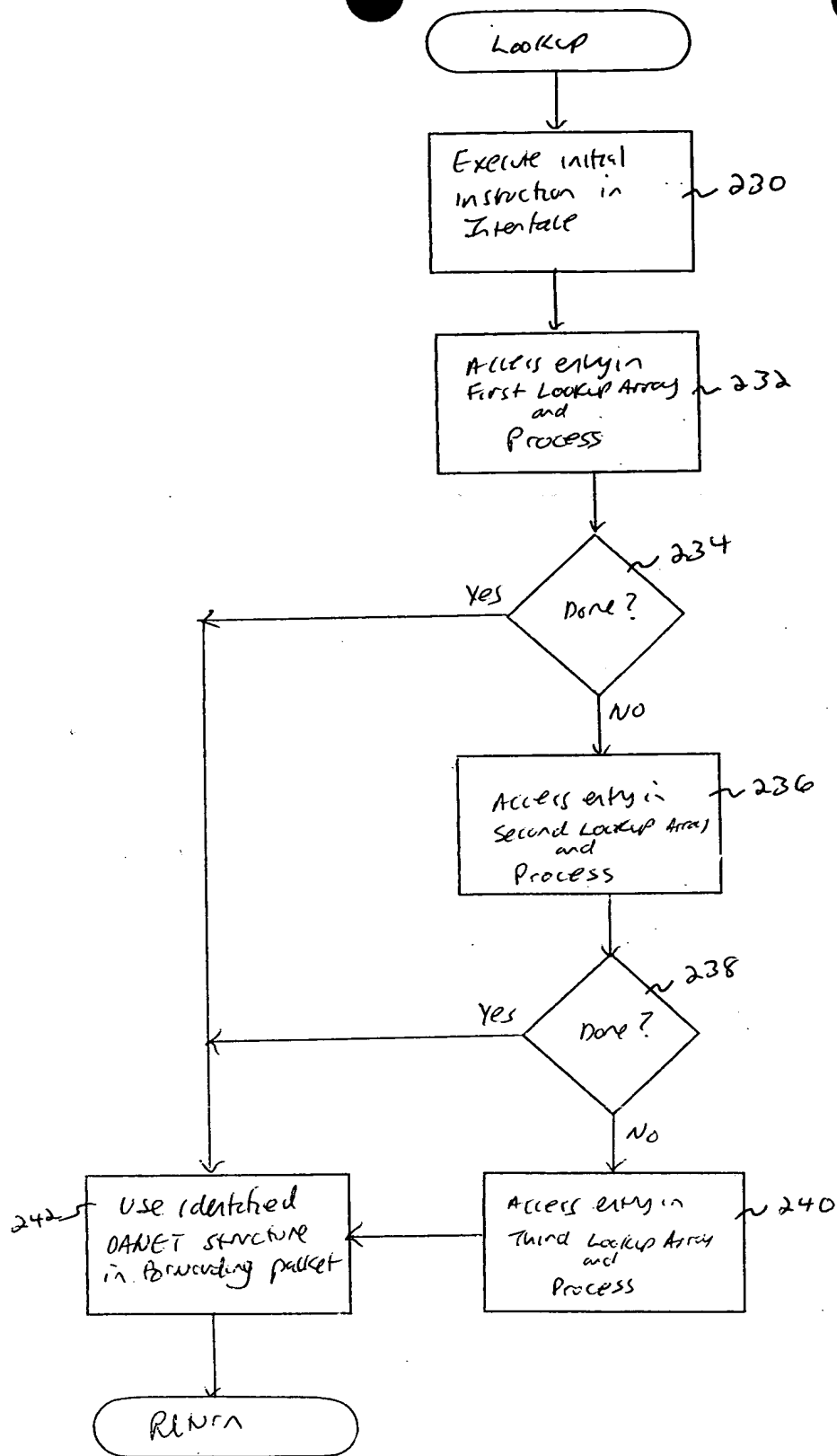
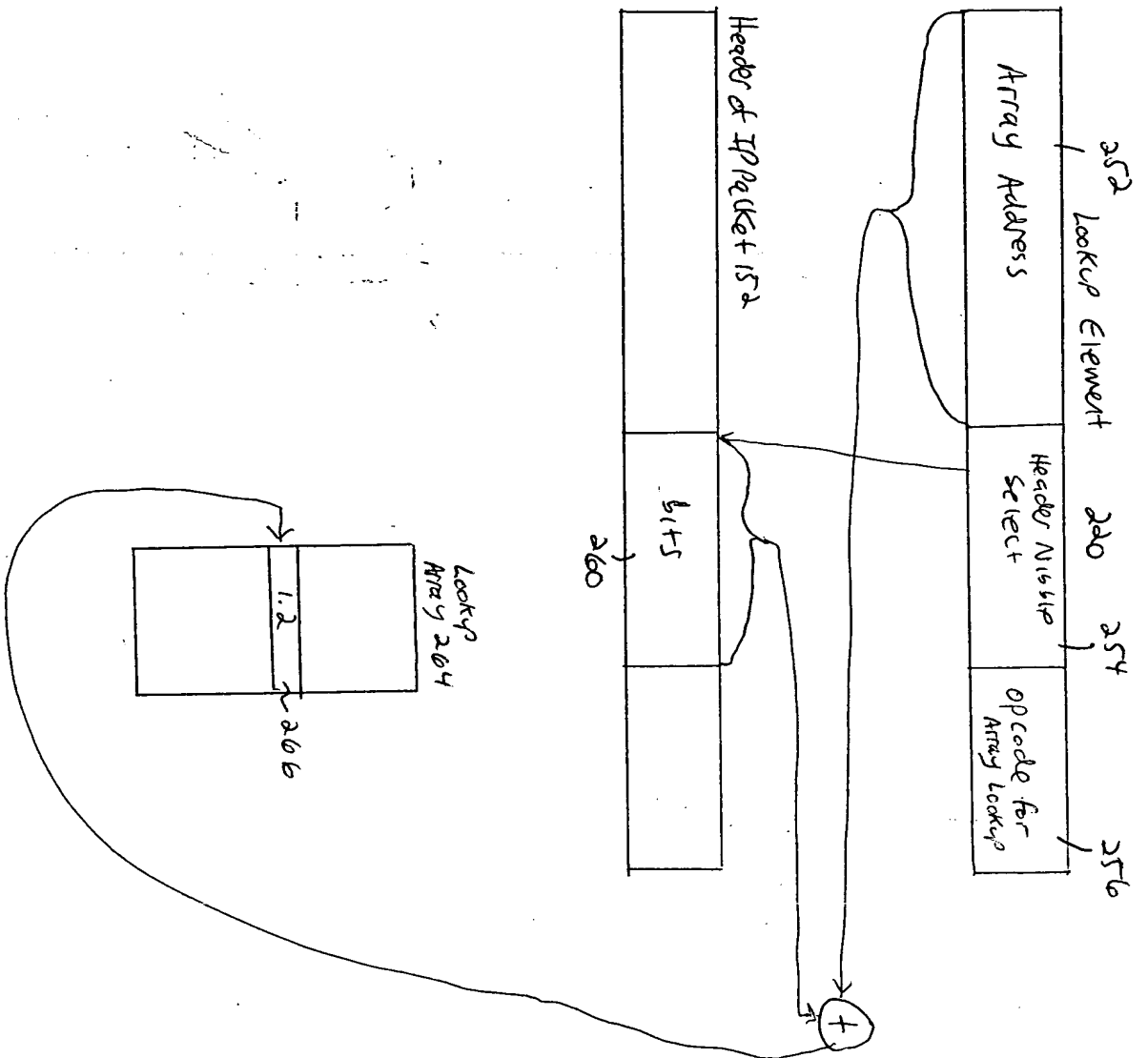


Figure 17



09237128-012599

Figure 18

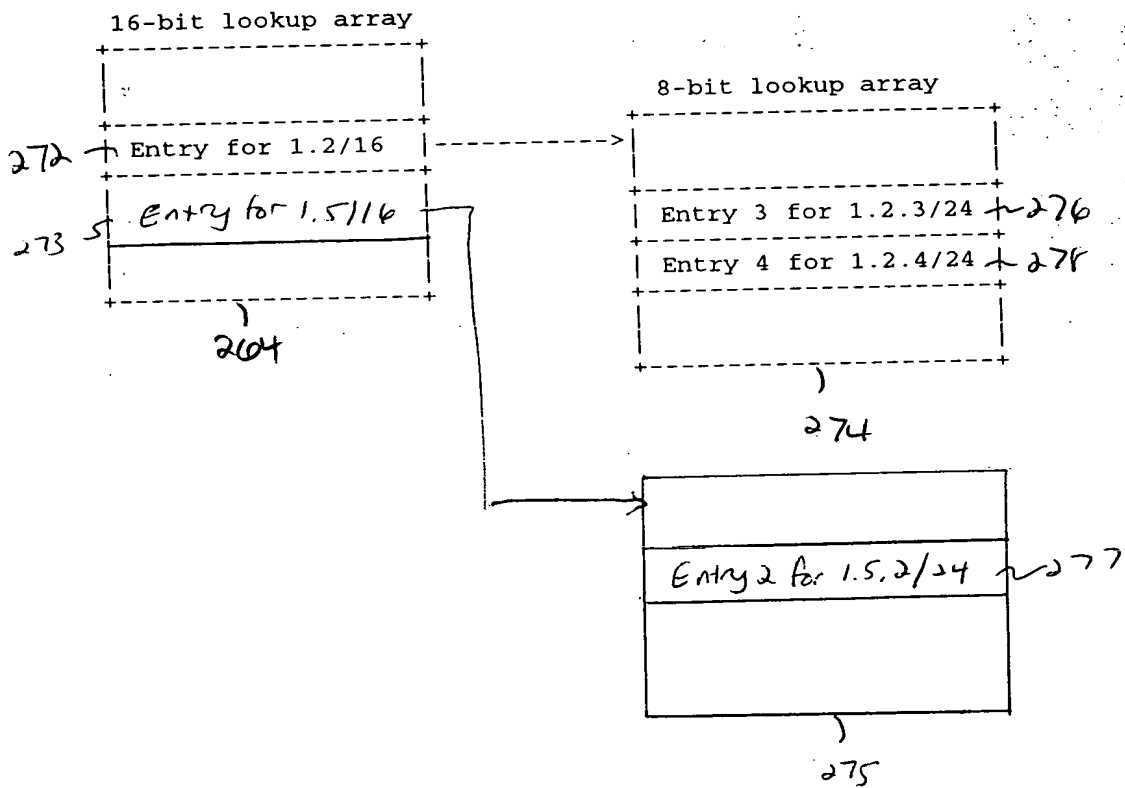


Figure 19A

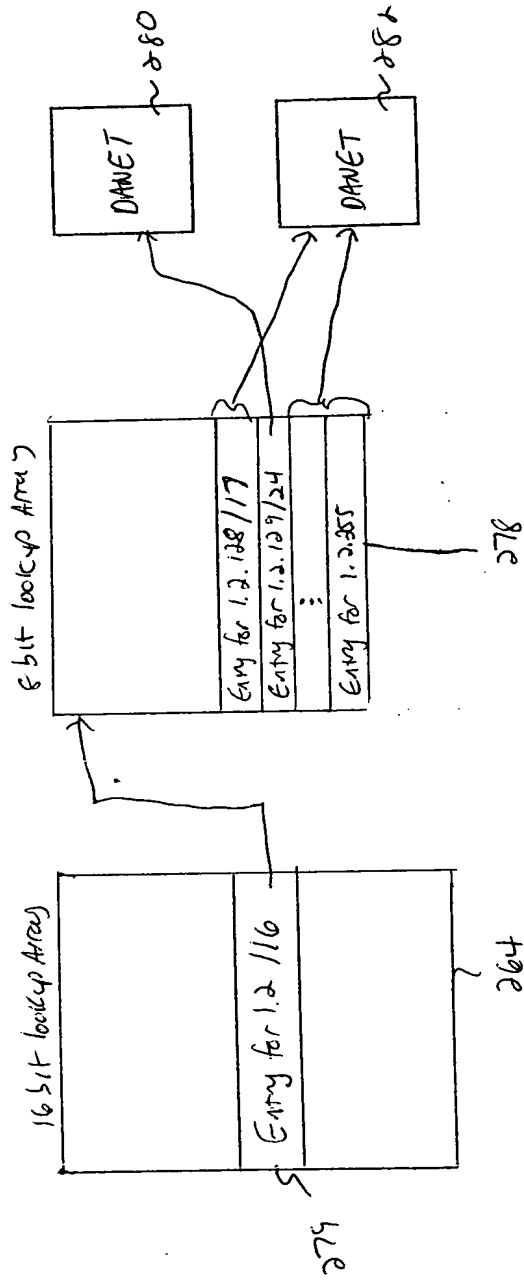


Figure 19B

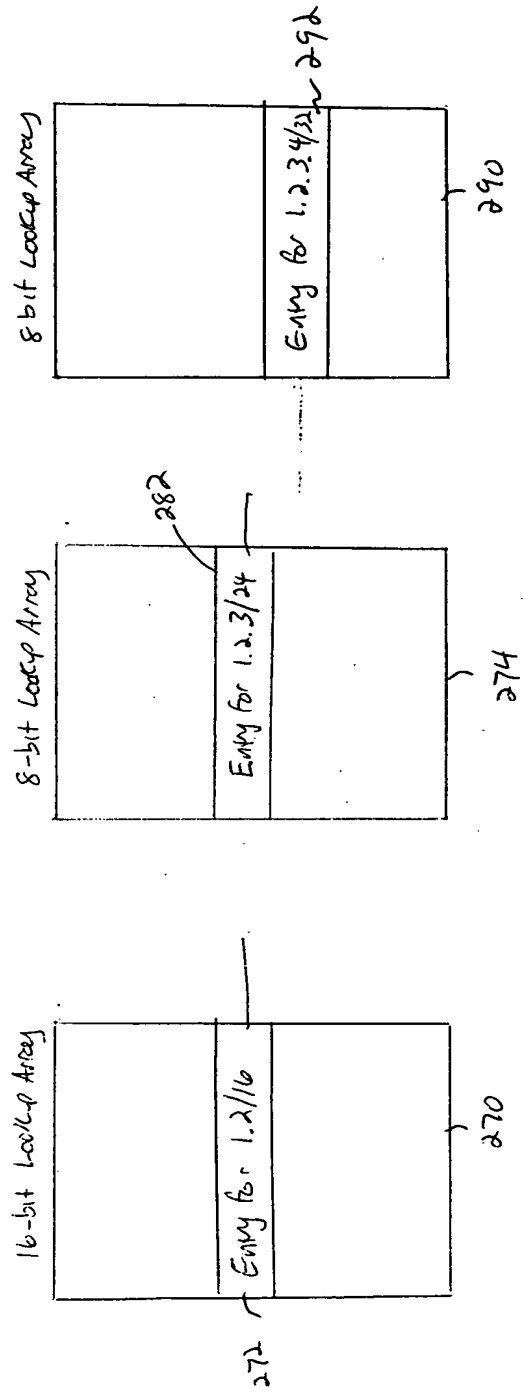


Figure 19C

65530 GETFEED

Lookup Element 300

Array Address	Header Nibble Select	Opcode
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Figure 20